Mo Chen

List of Publications by Year
in descending order

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99	5,449	66343	85541
papers	citations	42	71
		h-index	g-index

99	99	99	1059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hidden extreme multistability in memristive hyperchaotic system. Chaos, Solitons and Fractals, 2017, 94, 102-111.	5.1	344
2	Multiple attractors in a non-ideal active voltage-controlled memristor based Chua's circuit. Chaos, Solitons and Fractals, 2016, 83, 186-200.	5.1	238
3	Initial condition-dependent dynamics and transient period in memristor-based hypogenetic jerk system with four line equilibria. Communications in Nonlinear Science and Numerical Simulation, 2018, 57, 264-275.	3.3	230
4	Two-memristor-based Chuaâ€™s hyperchaotic circuit with plane equilibrium and its extreme multistability. Nonlinear Dynamics, 2017, 89, 1157-1171.	5.2	214
5	Extreme multistability in a memristive circuit. Electronics Letters, 2016, 52, 1008-1010.	1.0	198
6	Coexisting infinitely many attractors in active band-pass filter-based memristive circuit. Nonlinear Dynamics, 2016, 86, 1711-1723.	5.2	194
7	Coexisting multi-stable patterns in memristor synapse-coupled Hopfield neural network with two neurons. Nonlinear Dynamics, 2019, 95, 3385-3399.	5.2	181
8	Fluxâ€“Charge Analysis of Two-Memristor-Based Chua's Circuit: Dimensionality Decreasing Model for Detecting Extreme Multistability. IEEE Transactions on Industrial Electronics, 2020, 67, 2197-2206.	7.9	163
9	Dynamics of self-excited attractors and hidden attractors in generalized memristor-based Chuaâ€™s circuit. Nonlinear Dynamics, 2015, 81, 215-226.	5.2	159
10	Two-Dimensional Memristive Hyperchaotic Maps and Application in Secure Communication. IEEE Transactions on Industrial Electronics, 2021, 68, 9931-9940.	7.9	139
11	Coexisting Behaviors of Asymmetric Attractors in Hyperbolic-Type Memristor based Hopfield Neural Network. Frontiers in Computational Neuroscience, 2017, 11, 81.	2.1	137
12	Generating Multi-Scroll Chuaâ€™s Attractors via Simplified Piecewise-Linear Chuaâ€™s Diode. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4767-4779.	5.4	127
13	Controlling extreme multistability of memristor emulator-based dynamical circuit in fluxâ€“charge domain. Nonlinear Dynamics, 2018, 91, 1395-1412.	5.2	108
14	Initials-Boosted Coexisting Chaos in a 2-D Sine Map and Its Hardware Implementation. IEEE Transactions on Industrial Informatics, 2021, 17, 1132-1140.	11.3	108
15	Discrete Memristor Hyperchaotic Maps. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4534-4544.	5.4	105
16	Hidden extreme multistability and dimensionality reduction analysis for an improved non-autonomous memristive FitzHughâ€“Nagumo circuit. Nonlinear Dynamics, 2019, 96, 1879-1894.	5.2	100
17	Three-Dimensional Memristive Hindmarshâ€“Rose Neuron Model with Hidden Coexisting Asymmetric Behaviors. Complexity, 2018, 2018, 1-11.	1.6	95
18	Memristor initial-boosted coexisting plane bifurcations and its extreme multi-stability reconstitution in two-memristor-based dynamical system. Science China Technological Sciences, 2020, 63, 603-613.	4.0	94

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19	Memristor initial boosting behaviors in a two-memristor-based hyperchaotic system. Chaos, Solitons and Fractals, 2019, 121, 178-185.	5.1	90
20	Numerical analyses and experimental validations of coexisting multiple attractors in Hopfield neural network. Nonlinear Dynamics, 2017, 90, 2359-2369.	5.2	88
21	Multistability induced by two symmetric stable node-foci in modified canonical Chuaâ€™s circuit. Nonlinear Dynamics, 2017, 87, 789-802.	5.2	78
22	Initial-induced coexisting and synchronous firing activities in memristor synapse-coupled Morrisâ€“Lecar bi-neuron network. Nonlinear Dynamics, 2020, 99, 2339-2354.	5.2	76
23	AC-induced coexisting asymmetric bursters in the improved Hindmarshâ€“Rose model. Nonlinear Dynamics, 2018, 92, 1695-1706.	5.2	71
24	Numerical and experimental confirmations of quasi-periodic behavior and chaotic bursting in third-order autonomous memristive oscillator. Chaos, Solitons and Fractals, 2018, 106, 161-170.	5.1	69
25	Hyperchaos in a secondâ€order discrete memristorâ€based map model. Electronics Letters, 2020, 56, 769-770.	1.0	68
26	Memristor-Based Hyperchaotic Maps and Application in Auxiliary Classifier Generative Adversarial Nets. IEEE Transactions on Industrial Informatics, 2022, 18, 5297-5306.	11.3	68
27	Chaotic Bursting Dynamics and Coexisting Multistable Firing Patterns in 3D Autonomous Morrisâ€“Lecar Model and Microcontroller-Based Validations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950134.	1.7	67
28	Two-neuron-based non-autonomous memristive Hopfield neural network: Numerical analyses and hardware experiments. AEU - International Journal of Electronics and Communications, 2018, 96, 66-74.	2.9	66
29	Non-ideal memristor synapse-coupled bi-neuron Hopfield neural network: Numerical simulations and breadboard experiments. AEU - International Journal of Electronics and Communications, 2019, 111, 152894.	2.9	64
30	Finding hidden attractors in improved memristorâ€based Chua''s circuit. Electronics Letters, 2015, 51, 462-464.	1.0	63
31	Self-Excited and Hidden Attractors Found Simultaneously in a Modified Chua's Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550075.	1.7	57
32	Electromagnetic induction effects on electrical activity within a memristive Wilson neuron model. Cognitive Neurodynamics, 2022, 16, 1221-1231.	4.0	57
33	Symmetric periodic bursting behavior and bifurcation mechanism in a third-order memristive diode bridge-based oscillator. Chaos, Solitons and Fractals, 2018, 109, 146-153.	5.1	55
34	Memristive neuron model with an adapting synapse and its hardware experiments. Science China Technological Sciences, 2021, 64, 1107-1117.	4.0	55
35	Dynamical Effects of Neuron Activation Gradient on Hopfield Neural Network: Numerical Analyses and Hardware Experiments. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930010.	1.7	54
36	Chaotic bursting in memristive diode bridgeâ€coupled Sallenâ€Key lowpass filter. Electronics Letters, 2017, 53, 1104-1105.	1.0	51

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37	Asymmetric coexisting bifurcations and multi-stability in an asymmetric memristive diode-bridge-based Jerk circuit. Chinese Journal of Physics, 2021, 70, 69-81.	3.9	51
38	A Memristive Diode Bridge-Based Canonical Chuaâ€™s Circuit. Entropy, 2014, 16, 6464-6476.	2.2	50
39	Third-order RLCM-four-elements-based chaotic circuit and its coexisting bubbles. AEU - International Journal of Electronics and Communications, 2018, 94, 26-35.	2.9	50
40	Bifurcation analyses and hardware experiments for bursting dynamics in non-autonomous memristive FitzHugh-Nagumo circuit. Science China Technological Sciences, 2020, 63, 1035-1044.	4.0	47
41	Inductor-free simplified Chuaâ€™s circuit only using two-op-amp-based realization. Nonlinear Dynamics, 2016, 84, 511-525.	5.2	46
42	Periodically varied initial offset boosting behaviors in a memristive system with cosine memductance. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1706-1716.	2.6	46
43	Memristor Synapse-Based Morrisâ€“Lecar Model: Bifurcation Analyses and FPGA-Based Validations for Periodic and Chaotic Bursting/Spiking Firings. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050045.	1.7	42
44	Hidden dynamics in a fractional-order memristive Hindmarshâ€“Rose model. Nonlinear Dynamics, 2020, 100, 891-906.	5.2	42
45	Coexistence of Multiple Attractors in an Active Diode Pair Based Chuaâ€™s Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850019.	1.7	41
46	State variable mapping method for studying initial-dependent dynamics in memristive hyper-jerk system with line equilibrium. Chaos, Solitons and Fractals, 2018, 115, 313-324.	5.1	41
47	Coexistence of multiple bifurcation modes in memristive diode-bridge-based canonical Chuaâ€™s circuit. International Journal of Electronics, 2018, 105, 1159-1169.	1.4	40
48	Interpreting initial offset boosting via reconstitution in integral domain. Chaos, Solitons and Fractals, 2020, 131, 109544.	5.1	37
49	Initial-switched boosting bifurcations in 2D hyperchaotic map. Chaos, 2020, 30, 033107.	2.5	37
50	Memristor-Based Canonical Chuaâ€™s Circuit: Extreme Multistability in Voltage-Current Domain and Its Controllability in Flux-Charge Domain. Complexity, 2018, 2018, 1-13.	1.6	34
51	Quasi-period, periodic bursting and bifurcations in memristor-based FitzHugh-Nagumo circuit. AEU - International Journal of Electronics and Communications, 2019, 110, 152840.	2.9	34
52	Chaotic flows with special equilibria. European Physical Journal: Special Topics, 2020, 229, 905-919.	2.6	33
53	Dynamical effects of memristive load on peak current mode buck-boost switching converter. Chaos, Solitons and Fractals, 2019, 122, 69-79.	5.1	32
54	Extremely slow passages in low-pass filter-based memristive oscillator. Nonlinear Dynamics, 2019, 97, 2339-2353.	5.2	31

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55	Flux-Charge Analysis of Initial State-Dependent Dynamical Behaviors of a Memristor Emulator-Based Chuaâ€™s Circuit. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850120.	1.7	30
56	Hidden attractors in a practical Chua's circuit based on a modified Chua's diode. Electronics Letters, 2016, 52, 23-25.	1.0	27
57	DC-offset induced asymmetry in memristive diode-bridge-based Shinriki oscillator. Chaos, Solitons and Fractals, 2022, 154, 111624.	5.1	27
58	Chaos in a second-order non-autonomous Wien-bridge oscillator without extra nonlinearity. Circuit World, 2018, 44, 108-114.	0.9	26
59	Analog/Digital Multiplierless Implementations for Nullcline-Characteristics-Based Piecewise Linear Hindmarsh-Rose Neuron Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2916-2927.	5.4	26
60	Forward and reverse asymmetric memristor-based jerk circuits. AEU - International Journal of Electronics and Communications, 2020, 123, 153294.	2.9	25
61	Bifurcation analysis and circuit implementation for a tabu learning neuron model. AEU - International Journal of Electronics and Communications, 2020, 121, 153235.	2.9	25
62	Numerical analyses and breadboard experiments of twin attractors in two-neuron-based non-autonomous Hopfield neural network. European Physical Journal: Special Topics, 2018, 227, 777-786.	2.6	22
63	Periodically Switched Memristor Initial Boosting Behaviors in Memristive Hypogenetic Jerk System. IEEE Access, 2019, 7, 145022-145029.	4.2	22
64	Hybrid State Variable Incremental Integral for Reconstructing Extreme Multistability in Memristive Jerk System with Cubic Nonlinearity. Complexity, 2019, 2019, 1-16.	1.6	21
65	No-argument memristive hyper-jerk system and its coexisting chaotic bubbles boosted by initial conditions. Chaos, Solitons and Fractals, 2021, 144, 110744.	5.1	20
66	Extreme Multistability in Simple Area-Preserving Map. IEEE Access, 2020, 8, 175972-175980.	4.2	18
67	Coexisting Infinite Orbits in an Area-Preserving Lozi Map. Entropy, 2020, 22, 1119.	2.2	18
68	A non-autonomous conservative system and its reconstitution in integral domain. Nonlinear Dynamics, 2021, 103, 643-655.	5.2	18
69	Asymmetric memristive Chuaâ€™s chaotic circuits. International Journal of Electronics, 0, , 1-18.	1.4	17
70	Reconstitution for interpreting hidden dynamics with stable equilibrium point. Chaos, Solitons and Fractals, 2020, 140, 110188.	5.1	16
71	Piecewise-Linear Simplification for Adaptive Synaptic Neuron Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1832-1836.	3.0	16
72	Initial-condition-switched boosting extreme multistability and mechanism analysis in a memcapacitive oscillator. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1517-1531.	2.6	15

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73	Electromagnetic radiation induced non-chaotic behaviors in a Wilson neuron model. Chinese Journal of Physics, 2022, 77, 214-222.	3.9	14
74	DC-offset-induced hidden and asymmetric dynamics in Memristive Chua's circuit. Chaos, Solitons and Fractals, 2022, 160, 112192.	5.1	14
75	Threshold flux-controlled memristor model and its equivalent circuit implementation. Chinese Physics B, 2014, 23, 118401.	1.4	13
76	Parameter and initial offset boosting dynamics in two-memristor-based Colpitts system. European Physical Journal: Special Topics, 2021, 230, 1709-1721.	2.6	13
77	Coexisting Infinitely Many Nonchaotic Attractors in a Memristive Weight-Based Tabu Learning Neuron. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150189.	1.7	13
78	Initial conditions-related dynamical behaviors in PI-type memristor emulator-based canonical Chuaâ€™s circuit. Circuit World, 2018, 44, 178-186.	0.9	12
79	Complex Dynamical Behaviors of a Fractional-Order System Based on a Locally Active Memristor. Complexity, 2019, 2019, 1-13.	1.6	11
80	Parallel-Type Asymmetric Memristive Diode-Bridge Emulator and Its Induced Asymmetric Attractor. IEEE Access, 2020, 8, 156299-156307.	4.2	10
81	2-D Piecewise-Linear Neuron Model. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1453-1457.	3.0	10
82	Parameter-Independent Dynamical Behaviors in Memristor-Based Wien-Bridge Oscillator. Mathematical Problems in Engineering, 2017, 2017, 1-13.	1.1	8
83	Emerging multiâ€doubleâ€scroll attractor from variableâ€boostable chaotic system excited by multiâ€level pulse. Journal of Engineering, 2018, 2018, 42-44.	1.1	8
84	Abundant Coexisting Multiple Attractorsâ€™ Behaviors in Three-Dimensional Sine Chaotic System. Complexity, 2019, 2019, 1-11.	1.6	7
85	Analogy circuit synthesis and dynamics confirmation of a bipolar pulse current-forced 2D Wilson neuron model. European Physical Journal: Special Topics, 2021, 230, 1989-1997.	2.6	7
86	Extreme Multistability and Its Incremental Integral Reconstruction in a Non-Autonomous Memcapacitive Oscillator. Mathematics, 2022, 10, 754.	2.2	7
87	Hidden dynamics and multiâ€stability in an improved thirdâ€order Chua's circuit. Journal of Engineering, 2015, 2015, 322-324.	1.1	6
88	FPGA-based experiments for demonstrating bi-stability in tabu learning neuron model. Circuit World, 2021, 47, 194-205.	0.9	6
89	Inductor-free multi-stable Chuaâ€™s circuit constructed by improved PI-type memristor emulator and active Sallenâ€“Key high-pass filter. European Physical Journal: Special Topics, 2019, 228, 1983-1994.	2.6	5
90	A FEASIBLE MEMRISTIVE CHUA'S CIRCUIT VIA BRIDGING A GENERALIZED MEMRISTOR. Journal of Applied Analysis and Computation, 2016, 6, 1152-1163.	0.5	5

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91	Sallenâ€“Key lowâ€pass filterâ€based inductorâ€free simplified Chua's circuit. Journal of Engineering, 2017, 2017, 653-655.	1.1	4
92	Riddled Attraction Basin and Multistability in Three-Element-Based Memristive Circuit. Complexity, 2020, 2020, 1-13.	1.6	4
93	A unified asymmetric memristive diode-bridge emulator and hardware confirmation. European Physical Journal: Special Topics, 2021, 230, 1805-1811.	2.6	4
94	Dimensionality Reduction Reconstitution for Extreme Multistability in Memristor-Based Colpitts System. Complexity, 2019, 2019, 1-12.	1.6	3
95	Synchronous Behavior for Memristive Synapse-Connected Chay Twin-Neuron Network and Hardware Implementation. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	3
96	Third-Order Generalized Memristor-Based Chaotic Circuit and its Complex Dynamics. , 2018, , .		2
97	Symmetrically scaled coexisting behaviors in two types of simple jerk circuits. Circuit World, 2020, 47, 61-70.	0.9	2
98	Multi-stable patterns coexisting in memristor synapse-coupled Hopfield neural network. , 2021, , 439-459.		2
99	Network dynamics of coupled Chua circuits: comparison of different coupling elements. European Physical Journal: Special Topics, 0, , .	2.6	2